TO THE NORTH POLL

A Washington Newspaper Man's

Exploring Expedition.

MONTHS IN THE ICE FIELDS.

Have Stopped.

A SUMMER DASH TO THE NORTH POLE

The Probability of Solving the

Arctic Problem.

THE SCIENCE OF SLEDGING

SEA

MAP SHOWING THE ROUTE TO BE FOLLOWID

To Begin Where Most Expeditions effort or loss of time, without the necessity of a previous wintering in the arctic region, with our vitality unimpaired and our men

ARCTIC CIRCLE

WASHINGTON, D. C., SATURDAY, FEBRUARY 24, 1894-TWENTY PAGES.

power machine. If we could not improve upon Parry's methods we should have no as 20 above zero, and after June, which is right to hope to excel his achievement. But we do improve vastly upon him in plan and equipment, as I shall presently show. With ordinary fortune we should eclipse his achievement. If we do we shall score a success, for Parry, despite a start of a month later, notwithstanding his unneces-sarily heavy and clumsy equipment, reached latitude 82 degrees 45 minutes, a record which stood for half a century unbeaten and which to this day has been outlone only forty miles. In more than sixty years, with all the advantages of steam power, with great improvement in the art of sledg ing, with adaptation of dcg power to the burdens which Parry had only men to drag, his achievement has been barely out-

We know this pack can be traversed by men, with more or less speed and with almost certain safety. We know this to be true, because it has been done. Parry traversed the pack, DeLong and Melville traversed it, the Russians have sledged upon it for thousands of miles to the north of Siberia; Payer and Wayprecht escaped over it from Francis Joseph Land to Novaya Zembla, as did Leigh Smith; Capt. Koldethe German explorer, lived to travel hundreds of miles through the grinding pack on the east coast of Greenland; Capt. Tyson and his party drifted a thousand miles on an ice floe, passing a whole winter in the waste of water and ice, and being rescued in the spring with the eighteen men, women and children of the party, not only alive, but in perfect health; Greely traversed the restless pack of that narrow, trap-like water, Smith sound, for a distance of 500 miles, only to be snatched in the nick of time from the starvation which had carried of two thirds of blooms of the page of the starvation which had carried off two-thirds of his party after land was made. The pack is not without its dangers, but there is no record in all arctic exploration experience of a life being lost within it.

A Rough Road to Travel. The region which we are to traverse during the coming summer, over which we are able than dangerous. That it can be crossed by a sledging party admits of no doubt. Whether or not it can be traveled at a march, how near to the pole do you think sufficient rate of speed to enable us to do we can get? We will give you the answer in a single summer what others have failed to do in years, remains to be seen. Speculation as to what we are likely to accom plish must necessarily be of little value, and yet a few facts may prove of interest to the reader. The pack has been traveled at varying rates, from three or four to thirty or five net advance on account of the ne-cessity of breaking his loads into from three to four parts and going from five to seven times over most of the road. DeLong and Melville often traveled a total distance of from twenty-five to thirty-two miles in a day, and at the close of this long day's toil had the satisfaction of knowing that they had made a net advance of but two or two and a half miles, having been forced to carry their loads forward in seven parts and thus going thirteen times over the

whole road. How the Pole May Be Conquered. Our effort is organized upon the assumption that a man or dog carrying or drawing ated ideas of the dangers of the far north.

The public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditional area of the public forgets the hundreds of expeditions are of the public forgets the hundreds of expeditions are of the public forgets the hundreds of expeditions are of the public forgets the hundreds of expeditions. but a moderate load can travel two miles that have gone out and returned in an hour, or twenty to twenty-five miles safety, and overlooks the fact that of all miles farther north than Franklin or any of the early explorers progressed, and within about three degrees as far as the farthest ever achieved by man. In other words, our journey proper begins at Spitzbergen, substantially at the latitude in which other efforts have come to an end.

Our business is not at Spitzbergen. That is only our half-way house, our point of departure, our stepping stone to the inner polar region. Though an uninhabited land

the spring of the arctics, the mercury will hover about the freezing point in the shade, now a degree or two above and again below, but with fluctuations within the nar-row limits of ten degrees. In the sun the mercury will frequently rise to 60, 70 or 80 degrees, and in July and August we shall probably work many a day as men are working in the harvest and haying fields at home-in our chirt sleeves. This delightful working temperature is to our advantage in many ways. It raises the value of our energy 50 per cent above that shown by sledging parties in the frightful cold of early spring or late autumn. It does not require us to carry furs, and but little in the way of heavy clothing and bedding will be needed. We shall not be often or long delayed by storms, though now and then snow and sleet, and more often dense fog, caused by the enormous evaporation esulting from the constant action of the sun's rays, may interfere with our pro-

The Caravan in the Ice. We shall set out in our march across the ce with fourteen men, forty draught dogs and a total weight of about 5,500 pounds in boats, sledges, instruments, clothing, fuel and food. In round numbers we shall have about 100 pounds per unit of power, or to each man and dog. Such a load, experence has shown, can be taken forward at a single march without the necessity of retraversing, except now and then where the difficulties of the road are extraordinary. If this shall prove to be the case with us, then we might hope to advance at the rate of from twelve to twenty miles per day.
If we can do the smaller distance, or even but ten miles per day, ten days will carry us well into the pack, beyond the region of early summer breaking up and driftage. wenty days will carry us perhaps to lands which have never before been explored, but which are believed to exist to the north and perhaps a little east of Spitzbergen. Twenty-five days will carry us to a point to make our dash for the pole, may, after farther north than man has ever reached, all, prove more forbidding and uncomfort- and only one-half of the time which we may prudently use in the advance will have been consumed. With twenty-five days more of safe season for the northward

Arctic Work Not Extremely Danger-The only thing that we feel certain of is that we shall return-not only to Spitzbergen in September, but to Norway and to America before Thanksgiving day. As a miles in a day, according to weight of winter resort Washington has more attracequipment, strength of men and conditions tiveness for the members of our party than of road. Parry traveled from sixteen to the sunless north. Even the north pole as twenty miles per day, but made only four the far end of an excursion has no fascinations for us without return tickets and a chance to use them. Of what use to solve the problem without living to tell the story? Doubtless it is true the public is weary of the sacrifice of life in the northern regions. The people have read enough of arctic horrors, of starvation, of perishing with cold and disease. Fond of adventure and of deeds of daring as they are, many men have come to the conclusion that the arctic mystery is not worth the candle that is burned in human life yet the reads. burned in human life. Yet the truth is that three conspicuous arctic disasters, those of Franklin, of Greely and of DeLong,

when we return next autumn.

shall, to put into operation the rule of dog eat dog. We may try a few fresh dog steaks ourselves. A great advantage of the use of dog power is the ease with which your power can be transformed into food for the remaining dogs or the men. If a man falls ill you cannot leave him behind. If he dies, or his services in the drag-ropes are no longer needed, you cannot put him in the pot. To the Heart of the Unknown Region.

whyfore? What is it that we propose to accomplish? The answer is—not to explore a bit of coast somewhere in the arctics; not to determine whether a certain land extends a few miles more or less in one direction; not to wander about the frontiers rection; not to wander about the frontiers of the unknown region; not to nibble at a standard artists' sketches, which they bear from our perch away up on the top of the big globe. In three or four days, if all goes right, our steamer will be at Tromsee, and the Atlantic cable will bear you a dispatch announcing that we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from, and that when heard from we have been heard from and the trigonometrical netic observations and the trigonometrical leveling. In '93 he was given entire charge of important parts of the work. During the winter of '91 and '92 he was assigned to duty in the party detailed to 'locate astronomically a number of points along the Mexican boundary between El Paso and the are. Our aim is to drive straight for the heart of the inknown region, to the spot which contains within its ley breast the There are other expeditions in the field, and this is to be a momentous year in

mystery of the arctics, to solve, if possible, what is known to geographers and scienthat the great white sphynx should speak. It is safe to say that he will persist in his efforts till some adventurous traveler, more fortunate than his predecessors, will achieve what has been so long struggled for. If we fail therein it shall not be for lack of ambition or effort.

For two centuries this arctic problem has engaged the attention of adventurous men of all northern races. The two great English-speaking peoples, the Germans, the Scandinavians, the Dutch, the Russians, have sent almost innumerable expeditions to the arctics. The French and Austrians have at times joined the hunt, while even the sons of sunny Italy have had their trial at the ice-beleaugered mystery. If any one imagines that man is going to stop in this lost, he is very much mistaken. It is the history of the race that it never goes back-ward. Having set his face toward the pole. man will never wholly abandon the quest. Until human nature is radically changed these efforts will be continued, and until man becomes more than human there will be the keenest popular interest in these attempts to penetrate the region of the unknown. The search after knowledge, as Prof. Hellprin has said, "has no limits and knows to time." What earnest desire for knowledge does not prompt is found in love of adventure. The two aspirations are so mingled in the human breast that it is difficult to say where one ends and the other begins. Kindly critics will say of us, no doubt, that love of adventure is a stronger incentive than pursuit of knowledge. Possibly this is true. It is useless to argue the point. The main The main thing is not the ambition which impels us, but what we accomplish, how much of a contribution we make to the world's knowledge of the world; and as to that neither the critics nor ourselves can now say, but the results must determine.

Science Awaits the Answer. Every important science which has for its bject knowledge of our earth runs against a great blank space beyond the 80th parallel of north latitude. Until we know what exists beyond that line these sciences must remain incomplete, unsatisfactory. Aiready the theorists have done their best, or their worst, to solve the problem. On one side is the belief in an open polar sea, the theory that owing to the action of the gulf stream. which is supposed to dive under the ice and

reappear farther north, there is formed in the region of the pole a land of climate comparatively mild, habitable and possibly inhabited by a race of men who have for-ever lived isolated from the remainder of the world. At the other extreme we find the theory that the region of the pole is covered with an eternal ice cap, some 600 five years of age, and a native of the west-miles in diameter, resting upon both land and sea, and thousands of feet in vertical moved to the backwoods of Michigan, and thickness! Who shall say that either of these theories is right or wrong? Both are or have been supported by men of learning. Who shall decide between them, or declare, as is much more probable, that the truth lies midway their extremes, and that the pole is surrounded by lands which are glacier-capped, while the sea is covered with network of pack ice, frozen solid in win-ter and drifting about in summer? Who shall close the gaps for science, prepare the way for completing the circle of knowledge? None but the man who penetrates far enough within the unknown area to find the answer, and lives to bring it back.

Can the Arctic Problem Be Solved? When we say that the north pole is the ideal objective point of our journey we mean thereby that the pole is symbolical of the central part of the unknown region. It is at the pole or in its neighborhood that the solution of the arctic problem is to be found, Geographers and men of science agree that penetration beyond the 85th cr perhaps to the 86th parallel is, for the purpose of solving the arctic mystery, as good as reaching that precise point at which the northern axis of our earth terminates, where all lines of longitude converge and where there is no direction but south. Our success from a geographical and scientific point of view therefore will be in crossing the circle which surrounds the pole at a distance of 350 statute miles from it. Our greatest suc-cess from the popular standpoint will be in reaching the pole itself, or at least in ap proaching near enough to it to be able to say that it has been substantially within our grasp. From our headquarters at Dane's Island to the pole, in a direct line, the distance is 700 statute miles; to the 85th parallel, which at least we hope to pass, it is 350 miles. One hundred miles short of this parallel marks the farthest north yet achieved by man, and that was done by two brave Americans, Lockwood and Brainard. It is further agreed by the best students of the polar question, both in England and America, that the first expedition to enter this unknown region need not and perhaps should not be wholly of a scientific character. It should be practical rather than scientific. It should be an exploring party, simply—a pioneering party. If it can find the practicable road to the pole and show the means of traveling it, larger parties pedition. At the same time, while holding the character of a pioneering party, we shall endeavor, in case we are successful in reaching high latitudes, to make studies and observations of meteorological and physical conditions that will prove of value to science. For this purpose we take out an admirable set of instruments, and have the benefit of the course of Prof. Market and the course of the course benefit of the counsel of Prof. Mendenhall Herald to find the spot at which Columbus of the coast survey and other eminent scientific men.

A Newspaper Exploring Expedition. Exploration, valuable additions to man's knowledge of his earth, important scientific observations, possible solution of what is known as the polar problem-these are not the only purposes of this expedition. It is a newspaper effort. For the first time, it is believed, a newspaper writer leads an expedition into the arctics. I have always believed that if the north pole were worth discovering at all, if the arctic mystery were worth solving, it should be a newspaper man that does it. Who has a better right to solve mysteries, to discover that which man has so long found undiscoverable and inaccessible? The enterprise and energy of the American press are proverbial throughout the world. Some of the greatest feats of travel and exploration have been accomplished by American journalists. If we should be so fortunate as to succeed in a field where so many have failed, none will be more glad therefor than the generous, manly newspaper makers of America. So far as I am personally concerned, this effort is in line with my profession. It is worthy and dignified, and the honor of it does not consist in good fortune and great success, but in doing the best one can. I shall at least do my best to give the readers of The

find it necessary, indeed, it is probable we ry well, do what was never done before, and He is the president of the National Capital that is to send dispatches from the inner regions of the arctic world. Ordinarily an Owen B. French, the astronomer and regions of the arctic world. Ordinarily an arctic expedition is not heard from till its Cleveland, Ohio, twenty-eight years old. return-one, two or three years after its After leaving the common schools he de-

To the Heart of the Unknown Region.

Many people find it difficult to perceive wherein one polar expedition differs from another, either in plan or purpose. Having now briefly described the plan of this expedition, leaving some of the features to be more adequately presented in future papers, it is pertinent to ask the question, whyfore? What is it that we propose to accomplish? The answer is—not to explore a bit of coast somewhere in the arctics; not to determine whether a certain land extends a few miles more or less in one displaced in the features the field.

Our supporting party of seven men accompanies us to the north from our head-quarters only some twenty-five days. In this time we shall hope to accomplish from 250 to 300 miles of northing. If the loth of June, be farther north than man ever was before. Our supporting party now turns back, reaching Spitzbergen about to determine whether a certain land extends a few miles more or less in one disappears to the north from our head-quarters only some twenty-five days. In this time we shall hope to accomplish from 250 to 300 miles of northing. If the loth of June, be farther north than man ever was before. Our supporting party of seven men accompanies us to the north from our head-quarters only some twenty-five days. In this time we shall hope to accomplish from 250 to 300 miles of northing. If the loth of June, be farther north than man ever was before. Our supporting party now the loth of June, be farther north than man ever was before. Our supporting party for exemption of a twenty-five days. In this time we shall hope to accomplish from 250 to 300 miles of northing. If the loth of June, be farther north than man ever was before. Our supporting party now the loth of June, be farther north than man ever was before. Our supporting party now the loth of June, be farther north than man ever was before. Our supporting party now the loth of June, be farther north than man ever was before. Our supporting party now the loth of June, be farther north than man ever we are still in the field. An International Race for the Pole.

arctic work. Dr. Nansen, bravest of the tists as the polar problem.

Mankind set out centuries ago to accomplish this task. He long ago determined plish this task. the ice in his stanch little ship the Fram, to the north of the Siberian Islands, near where the Jeannette was sunk. Lieut. Peary, persistent, successful, resourceful, is at his house in McCormick resourceful, is at his house in McCormick Bay, West Greenland, whence he will set out in about six weeks for northernmost Greenland and the pole, if the land shall lead him so far. Mr. Steln of this city is the projector of a commendable and deserv-ing plan for further exploration of Ellesmere Land, which is now only in part known. In May we shall be in the eternal ice, pressing northward as fast as we can go. Of the three important parties, ours is the one of which the world will naturally expect the least in the world will naturally expect the least in the way of results. Nansen and Peary are the veterans, we the amateurs. They have written their names high on the roll of honor, while we have done not the have done nothing. Not one of us has ever been nearer the pole than Norway or Alaska. We have yet to be tried amid the difficulties and dangers of arctic travel, and before we can claim or expect confidence. dence must earn it in the field. have done this we ask no other consideration than fair play and a willingness to
await results before passing judgment.

Between Peary, Nansen and ourselves
there will this year be an international
race for the pole. Frederick Jackson, an
Englishman, talks of starting by way of
Francis Joseph Land, and we sincerely
hope he may enter the field. The more of
us the marrier and may the best man win. have done this we ask no other considera-

us the merrier, and may the best man win. The pole is worth winning, not only in the spirit of friendly rivalry, not alone in the desire for fame, notoriety or whatever you choose to call it, but from higher motives mingled with these. For those who identify the progress of civilization with a search after truth it is not necessary to argue the value of arctic explora tion. That question was answered a half century ago by that stern friend of knowledge. Sir John Barrow, when he wrote:
"The north pole is the only thing in the world about which we know nothing; and that want of all knowledge ought to

operate as a spur to adopt the means of wioling away that stain of ignorance from this enlightened age."
WALTER WELLMAN. MEMBERS OF THE POLAR PARTY.

Something About the Men Who Are to Make This Sensational Effort. Walter Wellman, leader of this expedition, is one of the best-known newspaper men in moved to the backwoods of Michigan, and after some years of residence among the married. swamps and forests removed again to the prairies of Nebraska. Wellman left home and school as a lad of twelve to earn his own living; first as clerk in a country store, where the Indians were the principal customers, and later as apprentice in a frontier printing office. When only fourteen he started his own paper at a county seat with a capital of thousands of hopes and a score or two of dollars. He made a success of it, too. Later he drifted east. Was for to find three years editor of the Repository at three years editor of the Repository at Canton, Ohio, where he became the warm friend of Gov. McKinley. With his brother he started the Evening Post at Cincinnati, and sold out, after making the paper a success, to the Scripps syndicate. Established



Walter Wellman. more fully equipped for careful scientific inquiry will surely follow in its track. To do this much is the aim of the present exsentative. Mr. Wellman has had rather staff correspondent and washington repre-sentative. Mr. Wellman has had rather more than his share of the news beats in Washington during the last five years. He



erect a monument there. The manner in which he performed this task attracted wide attention, and the correctness of his location of the spot has since been indorsed

departure. We shall do better. We have a line of communication which is designed to enable us to send The Star descriptive matter and photographs from the farthest north while we are still in the field.

After leaving the common schools in discount and in cided to become a civil engineer, and cided to become a civil engineer. Mexican boundary between El Paso and the Pacific, his share of the work being the observations for latitude and the magnetic elements. The winter of '92 and '93 was again spent in field work in Florida, and in March, '93, he was assigned to duty as astronomer on the determination of the boundary between Alaska and British Co-

TO ADVERTISERS.



ence now in progress in Washington. Mr.
French has the confidence of Superintendent Mendenhall of the coast survey to an unusual extent, and his reputation as a field worker, as a scientist and as a man is all that could be desired. He is not married.

Dr. Thomas B. Mohun, the physician ard surgeon of this expedition, is forty years old and a native of Washington. His father was a lumber merchant and one of the early residents of the capital. Dr. Mohun was educated for business, but in 1882 retired from commercial life and took up medicine, graduating from the medical department of Columbian University. He was for one year resident physicism. for one year resident physician of the Washington Asylum Hospital, when his de-sire for travel and change of scenes led him to the far northwest. He practiced for a year at Seattle, and then made a professional trip to Alaska and return. He returnashington three years ago, and hi been in general practice ever since. Having spent nearly all his life in this city he is well known here, and as generally liked. He was house surgeon of the hospital mainis one of the best-known newspaper men in tained at the G. A. R. camp in Washing-Washington, where he has served for five ton during the summer of 1892, and through years as the correspondent of the Chicago
Herald and also as a letter writer for the
American Press Association. He is thirtyfive years of age, and a native of the western reserve. While a boy his parents re- of the Waiter Wellman North Polar Expedition of 1894 confidently place their lives and limbs in his keeping. Dr. Mohun is un-



Charles C. Dodge, the artist and photographer of the expedition, is thirty years old and a native of Boston. He was educated in the public schools there and the Massachusetts Institute of Technology. While a boy he ran away from home and served for a time on a fishing schooner on the banks of Newfoundland. Was for a time employed in Chicago making filustra-tions for newspaper and other use, and for a number of years has been in the construction division of the Navy Department 48 designer and draughtsman. He has done a good deal of work on the big war vessels of the new navy, and has also designed yachts and other craft for private firms. Mr. Dodge was the designer of the boats constructed of aluminum for this expedition, and shows his faith in his works by going in them. He is an enthusiastic sports-man, a crack shot and experienced in all sorts of roughing and exposure. Many of his marine illustrations have been used in the Cosmopolitan and other magazines, and to the art of photography he has devoted a great deal of attention. Mr. Dodge ex-pects to develop his negatives in the field, even while the sun is shining twenty-four hours per day. Mr. Dodge is married and has one child.

Married Without Knowing It.

From the Kansas City Time Father Tihen of Wichita was in town . day or two ago and told the following

"You never heard of the time I married & couple before they knew it? Well, soon after I was made a priest, I was engaged to perform a marriage ceremony. It was to be a swell wedding. I arrived at the house rather early, according to request, and was taken upstairs at once. There I laid aside my hat and overcoat, and then the bride's mother knocked at the door and said her daughter wished to see me. Of course, I obeyed the summons, but was surprised to learn that the couple wanted the marriage ceremony performed in an upstairs room immediately. I thought it was very queer, but went through the ceremony, and married them fast and sure right there. When the ceremony was over, the bride said. 'Now, we will go down into the parior and be married.

"But you are married already,' I ex-claimed. 'I can't go through the ceremony

'And then I learned that all they wanted was 'to practice' the ceremony, so as to go through it properly when in the midst of their friends. But there was no help for it Married they were, and I couldn't repeat the ceremony, which, with us, is a sacra-

The Stumper Stumped.

ment."



TRAVELING OVER THE ICE PACK.

Vritten for The Evening Star. ward the ice-locked secret of the unknown region, over and through the dreadful pack ice of the Arctic ocean. The edge of the

N THE 14TH DAY of March I shall sail from New York by the steamer Britanic far north. I am go-There will be in my party three Ameri-

French, who comes States coast and geodetic survey, with high reputation ocean in any part of the world. Its duty as a scientific man and for work in is to advantage by the opening caused by the field in Alaska and the west; Thomas the gulf stream, by the lee shore of Spitz-B. Mohun, M. D., who has been in successful practice for some years in Washington, and who is admirably equipped in learning and experience for the responsible work before him, and Charles C. Dodge of the Navy Department, a capable photographer and artist. These three young men have been selected from among scores of applibeen selected from among scores of appli-day we expect to be placed upon the mar-cants, and it is believed none but good ac-gin of the ice. There will be sad hearts in counts will be given of them during the coming summer's campaign in the arctics. In Norway ten more men join my partyhardy young Norwegians, enthusiastic in a number of them university men devoted dash for the pole which promises so much exploration as were their ancestors, and to the pursuit of knowledge in the fields of botany, geology and other sciences. A number of our Norwegians have had experience in the ice fields of the Arctic ocean are whale and seal hunters, and are adepts. in the arts of navigation and travel incident to that hazardous calling. No people in the world are more resourceful and ingenious than the Americans; none more

ties than the Norsemen. I think the combination will be a good one. The True Road to the Pole.

brave or steadfast in the face of difficul-

Most arctic expeditions with which Americans are familiar approach the pole by the way of Smith Sound. Even the English have chosen the Greenland route for most of their efforts. But we do not go that way, strewn with wrecks of ships, bleaching bones and dead hopes as it is. We choose, rather, that true highway to the far north carved out of the ice by the influence of the gulf stream in the Norwegian sea. The same warm waters from the south that give to Norway a comparatively mild climate, with ports open the year round in latitudes, which, in Greenland, are frozen fast nine or ten months of the year, wash the western shores of the islands of Spitzbergen and leave them moderately free of ice, except in midwinter. Nor do we plan to reach the north pole in a ship. The vessel has not yet been built that will sail to the pole, or nearer it than five hundred miles. Navigation to the pole has failed often enough to be abandoned till airships take the place of marine vessels.

our outfit at the town of Tromsoe, far north in Norway, we fourteen men sail, bergs about the first day of May, for the island of Spitzbergen, which lies to the east of north- The English Record May Be Beaten. ern Greenland. There, at Dane's Island,

ice pack or the frozen surface of the sea will be found between latitude 80 and 81. The farther north it is the better we shall the steamer Britanic be pleased, for our steamer, atted for ice en route for the working, commanded by a broazed and frozen regions of the fearless master, to whom the danger of far north. I am go- ice navigation is an old story, quickly caring toward the north its us, with our boats, sledges, dogs and pole, and to it if that accouterments, upon its surface. Our shall prove possible. ries us to the margin of the ice and depos to engage in combat with the all-conquer-ing king of the north, which has vanquish-

AUSTRIA

rtunate or persistent it has marked the

The Polar Half-Way Station. Doubtless many people will be surprised

o learn that in less than a week we ex-

pect to steam in our staunch little ice-

working sealer from civilization to this

high northern latitude. Barring accident

we shall make the voyage in four days.

Tromsoe, which has the Atlantic cable and

a tri-weekly mail to the south, is very near-

ly in latitude 70. Dane's Island lacks but

a few miles of the 80th parallel. The lat-

ter is, therefore, the half-way house to

the pole-ten degrees or 700 statute miles from civilization, and exactly the same dis-

tance from that northern termination of

the axis of our earth known as the north

This western coast of Spitzbergen is every year accessible to steam or sailing vessels early in the season. It is the only point in the circum-polar region which affords this

tremendous advantage. By the Spitzbergen route we shall, unless extraordinary condi-tions present themselves, reach without

and equipment fresh and strong, the same latitude at which Greely wintered, as far

north as De Long went, almost as near to the pole as Hall penetrated, hundreds of

walrus, reindeer, seal, foxes and birds, we shall not tarry on its shores longer than

a few days in which to land our stores and

establish a headquarters station in a com-fortable house already standing there.

Leaving a couple of trusty men in charge of our station, and with a safe harbor near

Crossing the Desert of Ice.

Straight to the north, toward the pole, to-

Whither? And over what sort of a road?

by for our steamer, we push on.

nit of progress to the northward.

ed craft innumerable and which stands cans besides myself like a stone wall, barring all progress b -Prof. Owen B. means of ships into his dominions. The ship which carries us is not to be placed in any danger at all-at least not in mere dan bergen, to run us early and speedily to the frontier of the inaccessible region and then turn back to the headquarters which we have established at the land near by, serve during the remainder of the st serve during the remainder of the sum-mer as a dispatch boat to and from Norway and in the autumn to pick us up and return us to civilization and home. Between the 10th and the 15th day of

our party no doubt when the ship turns her prow to the south and we are left alone in the desert of ice. But there will be no time for vain regrets. At this moment our active work begins; now commences that campaign which is to carry us to victory something more than 100 days we propose

Far From Land, Within "The Pack." While we make no predictions, we know what the facts are. We have by no means underrated the difficulties which lie before us. We know that the pack is anything but an easy road to travel. We know it is rough and uneven; that where the flocs and fields have crashed together during the storms of the preceding autumn and winter an almost irresistible force has crumbled their margins or upheaved them into what is known as hummocks. We know that as the season advances and the power of the sun, always in the heavens, becomes stronger and more effective, leads or open-ings form in the ice, narrow, singuous canals will be found at frequent intervals in our march and the surface of the floes will be-come more or less covered with slush and water. We know that we shall be troubled much by deep snow, which in a few weeks. under the sun's rays, will become soft and difficult to traverse. We do not forget that down through this region sweeps the only considerable outlet of the Arctic sea-the great current which Dr. Nansen in time hopes to reach, the current which flows be tween Spitzbergen and Greenland, round Cape Farewell, down past Labrador until it is finally mingled with the waters gulf stream off the banks of Newfoundland. After putting the finishing touches upon It is this current which carries from very inner regions of the far north which we hope to penetrate the ice fields and encountered by our transatlantic

steamships

en route, and yet with burdens light enough, or energy great enough, to permit substantially of the whole load being car-ried forward all the time without the neessity of constant retraverses. Solve this question, and the problem of approach to the pole from such a base of operations as that which Spitzbergen affords is a problem

no longer. It only remains to be demondrift in our favor. Our method of opera-tions is purely and distinctively that of a sledging party. We believe that we are about to reduce the art of sledging to a greater state of perfection than was ever greater state of perfection than was ever before known. Our practice is founded upon the theory that with the use of aluminum for lightness of equipment, of the scienfor lightness of equipment, of the scientifically concentrated foods of this day for smallest possible weight of provisions, with the use of the most available and adaptable animal power as a supplement to the strength of the men, and all these in combination with special devices designed to apply this energy to advantage or to con-serve it, we shall be able approximately

to attain the end in view. Aluminum in the Arctics. something more than 100 days we propose to go as far north as we can go, discover what we can discover and return to our headquarters. How far we shall go and what we shall find there no one has much of an idea. Better than guessing about it to point out that our outfit contains no is to wait for the sequel. which has been suggested by the arctic experience of others. All arctic effort has been studied with a view to avoiding the mistakes of past expeditions, as well as to profit by those features of their equipment which proved advantageous. We believe, and in this view are supported by men whose experience makes their judgment worth more than ours, that we shall enter upon our task with the best equipment for sledging expedition that was ever employed in the arctics.

If our outfit has any distinguishing feat-ire, it is the free use of aluminum in the construction of boats, sledges and other levices. Aluminum is a wonderful metal, is yet little understood. It has its great proved itself especially adaptable to our uses, as is shown by the fact that we have built the first aluminum boats in America, and that they are the strongest, most ser-viceable and lightest boats of their size ever made in the world.

Warmth of the Polar Summer. Fine Greenland. There, at Dane's Island, where is a fine harbor, we shall establish our headquarters. At this point we shall establish be under the shadow of the eightleth parallel of north latitude, that circle high on the map which many indomitable arctic way have passed. For all but the most

of supplies properly placed for falling back upon, is so small as scarcely to deserve consideration.

And yet we go, as men should always go in the arctics, prepared for a great variety of emergencies. While cur plan is to return home in the autumn, we have not lost sight of the possibility of being no tonger. It only remains to be demonstrated.

We believe we have found the theoretical solution, and we are now about to attempt the demonstration. Our plan is based upon the believe with an early start and foir. We believe we have solution, and we are now about to attempt the demonstration. Our plan is based upon the belief that with an early start and fairly rapid travel we can pass beyond the region of drift before the drift sets in, and then whilst on our return to the south in the latter part of the summer have the latter part of the

one chance in a hundred of their use. Must Return to Headquarters. We are often asked what will happen to us if we do not get back to Spitzbergen. Just what happens to a man who goes down in a coal mine and has the shaft cave in on him; precisely the same thing that happens to the man who suffers a stroke of complete final heart failure, or to the passenger in the last seat of the rear coach when there is a tail-end collision. In other words, We cannot pause here to describe these we must return to our headquarters. If features of our equipment fully, but will we make the pole or our farthest north in do so in future articles in The Star, and fifty days, when our loads are heaviest, very interesting articles I believe the reader and when whatever drift there is works will find them. It is enough for the present against us, why can we not return over the same road in the same number of startling innovations, nothing that is not by consumption of food and fuel, and with both simple and practical, every detail of the drift which sets in to the south about the drift which sets in the middle of the summer carrying us toward safety while we sleep? Nor is this all. If we consume fifty or even fifty-five all. all. If we consume fifty or even fifty-five days in our northward advance, there is every reason to believe we shall still have sixty or more days in which to reach our headquarters in ample time to leave for Norway before the west coast of Spitz-bergen is crowded with the autumn ice. Simply to reach Spitzbergen, which will be safety, even at the inconvenience of a tedious wintering, we should have for the return journey at least eighty days before the setting in of winter. Again, on our return from the far north in September it is probable we shall find the sea comparatively free of ice for a distance of 100 miles to the north of the shores of Spitzbergen. The highest latitude ever reached with a advantages and also its limitations. It has ship was made in this same region.

Wherever the edge of the ice is there our uses, as is shown by the fact that we have us, thus shortening by so much the length of our return journey upon the pack.

The Question of Food. It is true that we are going provisioned for only 110 days, and should our journey A tremendous advantage which we shall be extended beyond that period we might enjoy in our summer dash for the pole is run short of supplies. But there is enough that we do not have to go prepared for ex- elasticity in our equipment to provide for treme cold weather. We shall encounter a such an emergency. We count on a bear temperature that is rather too warm than now and then, for ice bear have been found too cold. We shall suffer more from heat as far north in the pack as man has ever and from the brightness of the sun than been. An occasional bear would be a great from frost. The arctic summer is like the winter of the latitude of Washington, Cin-